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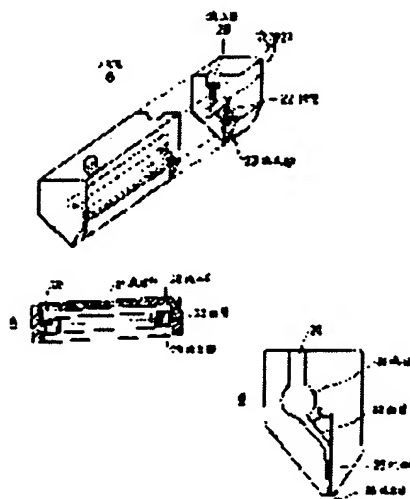
HASEBE KEIZO

(54) STRIP LIQUID NOZZLE

(57)Abstract:

PURPOSE: To obtain a liquid nozzle capable of suppressing the generation of bubbles to cause a liquid to flow out uniformly and capable of conducting uniform processing, etc., when the liquid is caused to flow out from a strip outflow part, by constituting the liquid nozzle from a sump provided in the passage of the liquid, a plurality of small tubes for lowering a conductance relative to a liquid flow and the outflow part for causing the liquid to flow out in the form of a strip.

CONSTITUTION: A liquid nozzle 8 for causing a liquid to flow out in the form of a strip is composed of a sump 21 provided in the passage of the liquid, a plurality of small tubes 22 connected with the sump 21 and lowering a conductance relative to a liquid flow and an outflow part 23 connected with the plurality of small tubes 22 and causing the liquid to flow out in the form of a strip. For example, a cylindrical sump 21 of 4mm diameter and 160mm length is connected with the tips of inflow ports 20 provided at two places, a row of small tubes 22 of 2mm width, 0.3mm thickness and 10mm length is connected with the outlet of the sump 21 and 80 small tubes are provided at 2mm spaces in the row. Also, the small tubes 22 are connected at an angle $X=30$ degrees with a discharge part 23 of 160mm width, 0.5mm thickness and 5mm length and the discharge opening 24 of the discharge part 23 has 0.3mm



thickness and is formed into a taper so that the thickness decreases on the discharge opening 24 side.

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